

**Listing of the Claims**

The following listing of claims replaces all previous listings or versions thereof:

1. (Currently amended) ~~Method~~A method for detecting analytes comprising the ~~following stages~~steps of:

a) ~~Incubation of~~incubating a sample with macromolecules, to each of which at least 2 molecules of the analyte to be detected in the sample are coupled;

b) ~~Subsequent incubation of~~further incubating the sample with a solid carrier, to which capture molecules for the analyte to be detected are coupled;

c) ~~Addition of~~adding a fluorescence dye to stain the macromolecules; and

d) ~~Detection of~~detecting the analytes present in the sample by excitation of the fluorescence dye.

2. (Currently amended) ~~Method~~The method according to claim 1 comprising, after ~~stage~~step c), a further ~~stage~~step c'): ~~Removal of~~removing the non-bound fluorescence dye from the solid carrier.

3. (Currently amended) ~~Method~~A method for detecting analytes comprising the ~~stages~~steps:

a) ~~Incubation of~~incubating a sample with fluorescence-dye-marked macromolecules, to each of which at least 2 molecules of the analyte to be detected in the sample are coupled;

b) ~~Subsequent incubation of~~further incubating the sample with a solid carrier, to which capture molecules for the analyte to be detected are coupled; and

c) ~~Detection of~~detecting analytes present in the sample by excitation of the fluorescence dye.

4. (Currently amended) ~~Method~~The method according to claim 3 comprising, after ~~stage~~step a), a further ~~stage~~step a'): ~~Removal of~~removing the non-bound macromolecules.

5. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the macromolecules are nucleic acids, peptide nucleic acids, polyamino acids.
6. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the macromolecules are single-strand oligonucleotides of a length within the range from 40 to 80 nucleotides.
7. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the macromolecules are identical or non-identical.
8. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the analytes have a molecular weight of less than 5000 Dalton.
9. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the fluorescence dye is selected from the group of phenanthrenes, acridines, SYBR dyes or fluorophores.
10. (Currently amended) ~~Method~~The method according to ~~any one of the preceding claims~~claim 1, wherein the solid carrier is permeable to light and the detection method is implemented by means of a transmitted-light method.
11. (Currently amended) ~~Device for the implementation of the method according to any one of the preceding claims, characterised in that~~A device comprising a light source (6) is fitted on one side of a solid carrier (1) inserted into the device[;], that a filter ((5) and (8)) is disposed respectively between the light source (6) and the solid carrier (1), and on the other side of the solid carrier [(1);], and thatwherein the device is designed in such a manner that light passing through the solid carrier passes through an aperture into the human eye or into an optical instrument.

12. (New) The method according to claim 3, wherein the macromolecules are nucleic acids, peptide nucleic acids, polyamino acids.
13. (New) The method according to claim 3, wherein the macromolecules are single-strand oligonucleotides of a length within the range from 40 to 80 nucleotides.
14. (New) The method according to claim 3, wherein the macromolecules are identical or non-identical.
15. (New) The method according to claim 3, wherein the analytes have a molecular weight of less than 5000 Dalton.
16. (New) The method according to claim 3, wherein the fluorescence dye is selected from the group of phenanthrenes, acridines, SYBR dyes or fluorophores.
17. (New) The method according to claim 3, wherein the solid carrier is permeable to light and the detection method is implemented by means of a transmitted-light method.